

IN THE CLAIMS

Please amend the claims as follows:

Claim 1. (Currently Amended) A sensor-equipped seal device comprising:

a fixed-side seal member having a metal core fixedly fitted to a fixed member and a sensor attached to the metal core by a molded resin, and

a rotation-side seal member having a slinger fixedly fitted to a rotating member and a pulser secured to the slinger,

~~the seal device being characterized in that~~ wherein the metal core of the fixed-side seal member has a cylindrical portion fixedly fitted to the fixed member, and a flange extends ~~extending~~ from an axially inner end of the cylindrical portion toward the rotation-side seal member,

wherein the sensor is positioned radially inward of the cylindrical portion of the metal core and axially inward of the flange of the metal core so that no metal portion exists between the sensor and the pulser,

and wherein a labyrinth seal is provided between an outer peripheral edge portion of an outward flange of the slinger of the rotation-side seal member and a resin member formed by the molded resin.

the flange being provided with an elastic seal slidable in contact with the rotation-side seal member.

Claim 2. (Original) A sensor-equipped seal device according to claim 1 wherein the metal core of the fixed-side seal member is provided by insert molding so that an outer end of the cylindrical portion is positioned within the resin.

Claim 3. (Original) A sensor-equipped seal device according to claim 1 or 2 wherein the rotation-side seal member is provided with a lip support comprising a cylinder fixedly fitted to the slinger and a flange integral with the cylinder and axially outwardly opposed to the pulser from an axially inward position for supporting a lip portion of the elastic seal.

Claim 4. (Currently Amended) A rolling bearing device comprising:

a fixed ring,

a rotatable ring,

rolling bodies arranged between the two rings,

a fixed-side seal member provided on at least one end of the fixed ring, and

a rotation-side seal member provided on the rotatable ring so as to be opposed to the fixed-side seal member,

wherein the rolling bearing device being characterized in that the fixed-side seal member has a metal core fixedly fitted to the fixed ring and a sensor attached to the metal core by a molded resin, the rotation-side seal member having a slinger fixedly fitted to the rotatable ring and a pulser secured to the slinger, the metal core of the fixed-side seal member having a cylindrical portion fixedly fitted to the fixed ring and a flange extends extending from an axially inner end of the cylindrical portion toward the rotation-side seal member,

wherein the sensor is positioned radially inward of the cylindrical portion of the metal core and axially inward of the flange of the metal core so that no metal portion exists between the sensor and the pulser,

and wherein a labyrinth seal is provided between an outer peripheral edge portion of an outward flange of the slinger of the rotation-side seal member and a resin member formed by the molded resin.

the flange being provided with an elastic seal slidable in contact with the rotation-side seal member.

Claim 5. (Original) A rolling bearing device according to claim 4 wherein the metal core of the fixed-side seal member is provided by insert molding so that an outer end of the cylindrical portion is positioned within the resin.

Claim 6. (Original) A rolling bearing device according to claim 4 or 5 wherein the rotation-side seal member is provided with a lip support comprising a cylinder fixedly fitted to the slinger and a flange integral with the cylinder and axially outwardly opposed to the pulser from an axially inward position for supporting a lip portion of the elastic seal.

Claim 7. (Currently Amended) A rolling bearing device according to any one of claims 4 [[to 6]] or 5 ~~which is characterized in that~~ wherein the fixed ring is a body-side raceway member having a portion to be attached to a vehicle body, the rotatable ring serving as a wheel-side raceway member having a wheel attaching portion, the bearing device being usable as a motor vehicle hub unit.

Claim 8. (New) A sensor-equipped seal device according to claim 1, wherein the sensor is positioned closer to the pulser than is any portion of the metal core of the fixed side seal member.

Claim 9. (New) A rolling bearing device according to claim 4, wherein the sensor is positioned closer to the pulser than is any portion of the metal core of the fixed side seal member.